

Answer on Question #75541 – Math – Algebra

Question

Simplify

$$(2c+12)(12-2c)$$

Solution

Using the formula for the difference of squares

$$a^2-b^2=(a-b)(a+b)$$

one gets

$$(2c+12)(12-2c) = (12+2c)(12-2c) = 12^2 - (2c)^2 = 144 - 4c^2$$

Answer: $144-4c^2$.